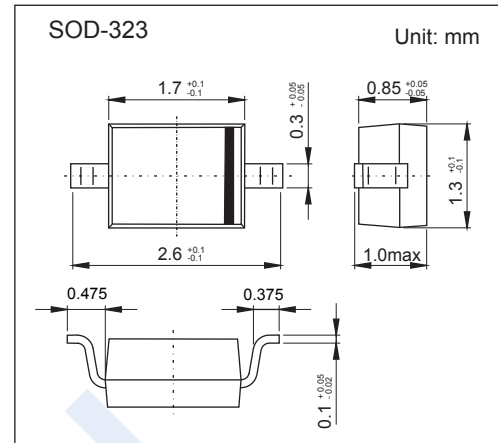
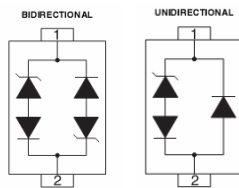


ESD Protection Diodes

SESLC Series

■ Features

- 350W peak pulse power per line ($t_P = 8/20\mu s$)
- Replacement for MLV(0805)
- Unidirectional or Bidirectional configurations
- Protects one power or I/O port
- ESD protection > 40 kV
- Low clamping voltage
- RoHS compliant



■ Absolute Maximum Ratings $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Unidirectional Peak Pulse Power ($t_p=8/20\mu s$)	PPP	350	mW
Junction Temperature	T_J	150	$^\circ C$
Storage Temperature range	T_{stg}	-55 to 150	

■ Electrical Characteristics $T_a = 25^\circ C$

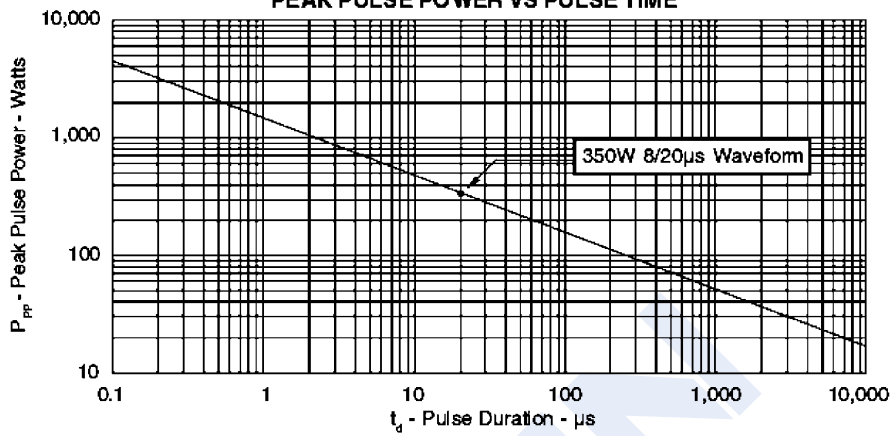
Device	V_{RWM} Volts	I_R @ V_{RWM} uA	Min Breakdown Voltage V_{BR} @1mA Volts	Max Clamping Voltage V_c		Typ. C_j pF
				@ $I_P=1A$ Volts	@ I_{PP} Volts	
SESLC3V3D323-2U	3.3	1	4.0	7.0	19.0@20.0A	3
SESLC3V3D323-2B	3.3	1	4.0	7.0	19.0@20.0A	3
SESLC5VD323-2U	5	1	6.0	9.8	18.3@17.0A	3
SESLC5VD323-2B	5	1	6.0	9.8	18.3@17.0A	3
SESLC8VD323-2U	8	1	8.5	13.4	18.5@17.0A	3
SESLC8VD323-2B	8	1	8.5	13.4	18.5@17.0A	3
SESLC12VD323-2U	12	1	13.3	19.0	28.6@11.0A	3
SESLC12VD323-2B	12	1	13.3	19.0	28.6@11.0A	3
SESLC16VD323-2U	16	1	16.7	24.0	31.8@10.0A	3
SESLC16VD323-2B	16	1	16.7	24.0	31.8@10.0A	3
SESLC18VD323-2U	18	1	20.0	29.0	45.0@8.0A	3
SESLC18VD323-2B	18	1	20.0	29.0	45.0@8.0A	3
SESLC24VD323-2U	24	1	26.7	43.0	56.0@6.0A	3
SESLC24VD323-2B	24	1	26.7	43.0	56.0@6.0A	3

Note: Unidirectional: -2U; Bidirectional:-2B

ESD Protection Diodes SESLC Series

■ Typical Characteristics

**FIGURE 1
PEAK PULSE POWER VS PULSE TIME**



**FIGURE 2
PULSE WAVE FORM**

